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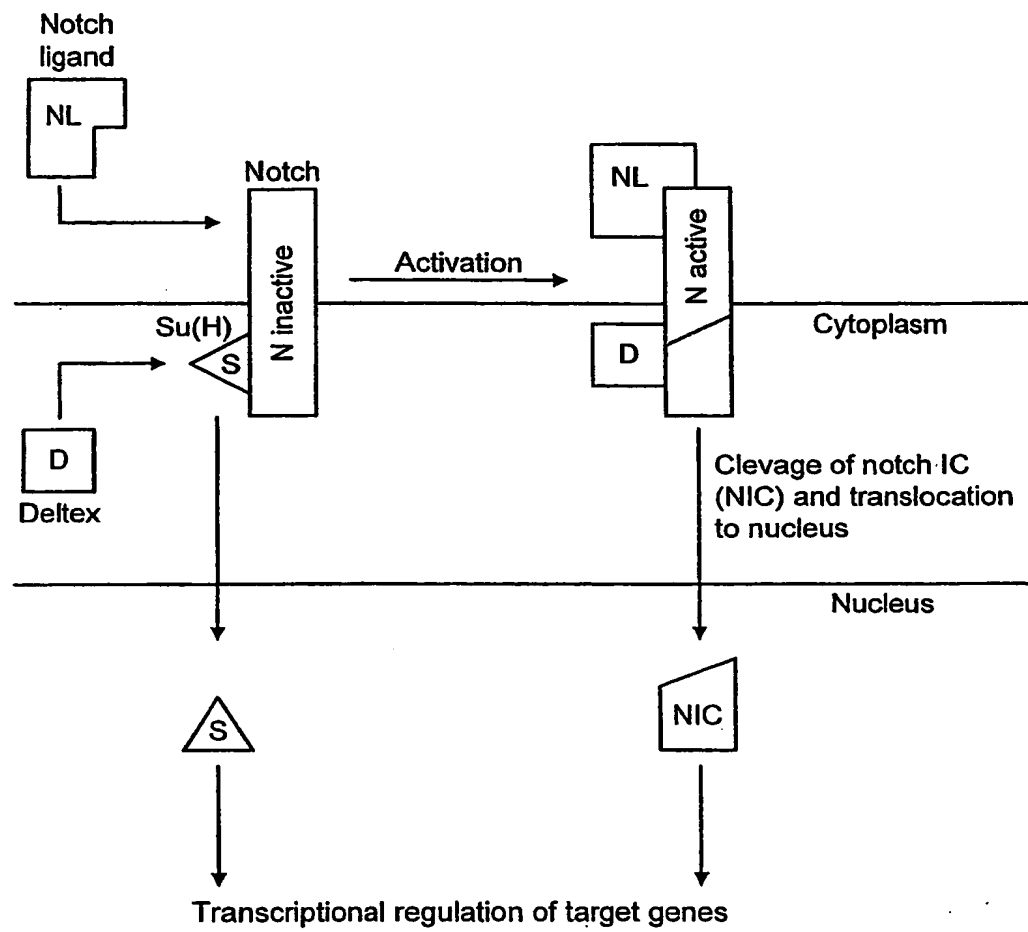


FIG. 1

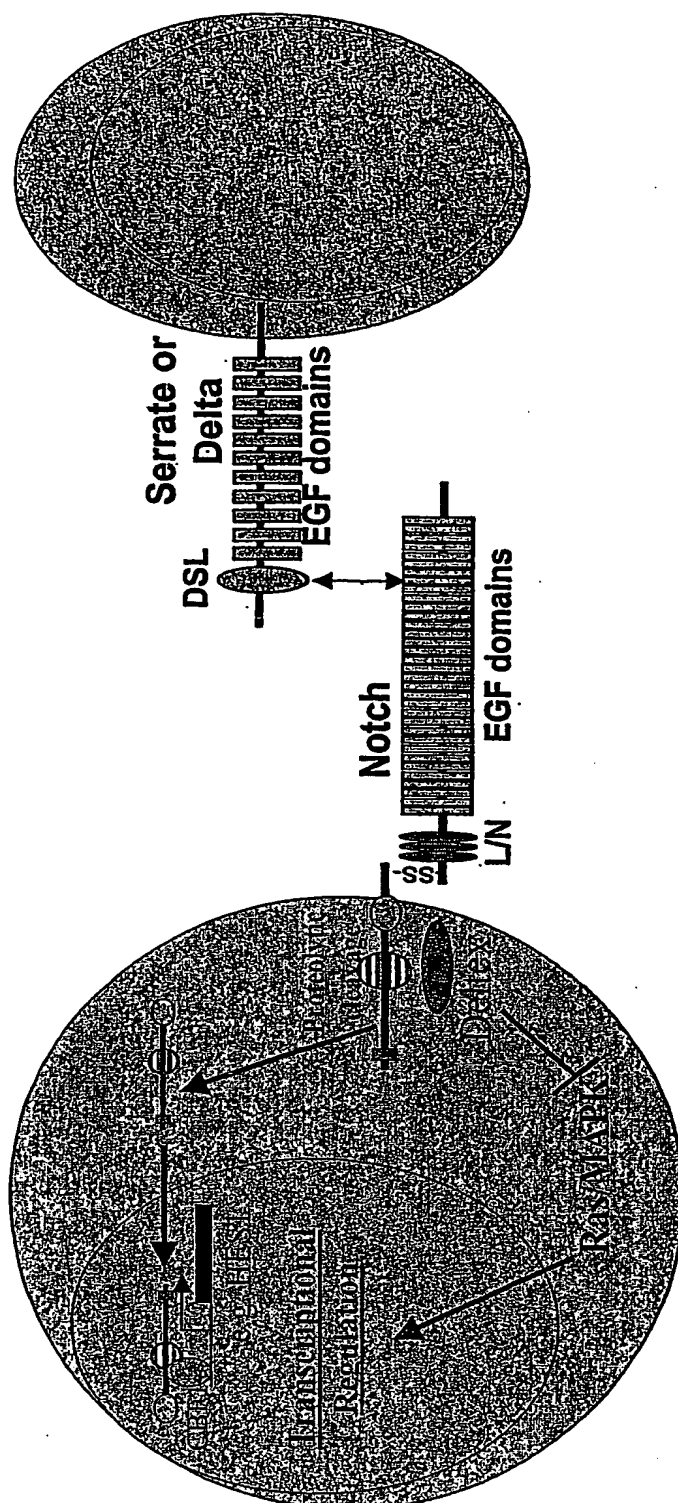


Figure 2

FIGURE 3

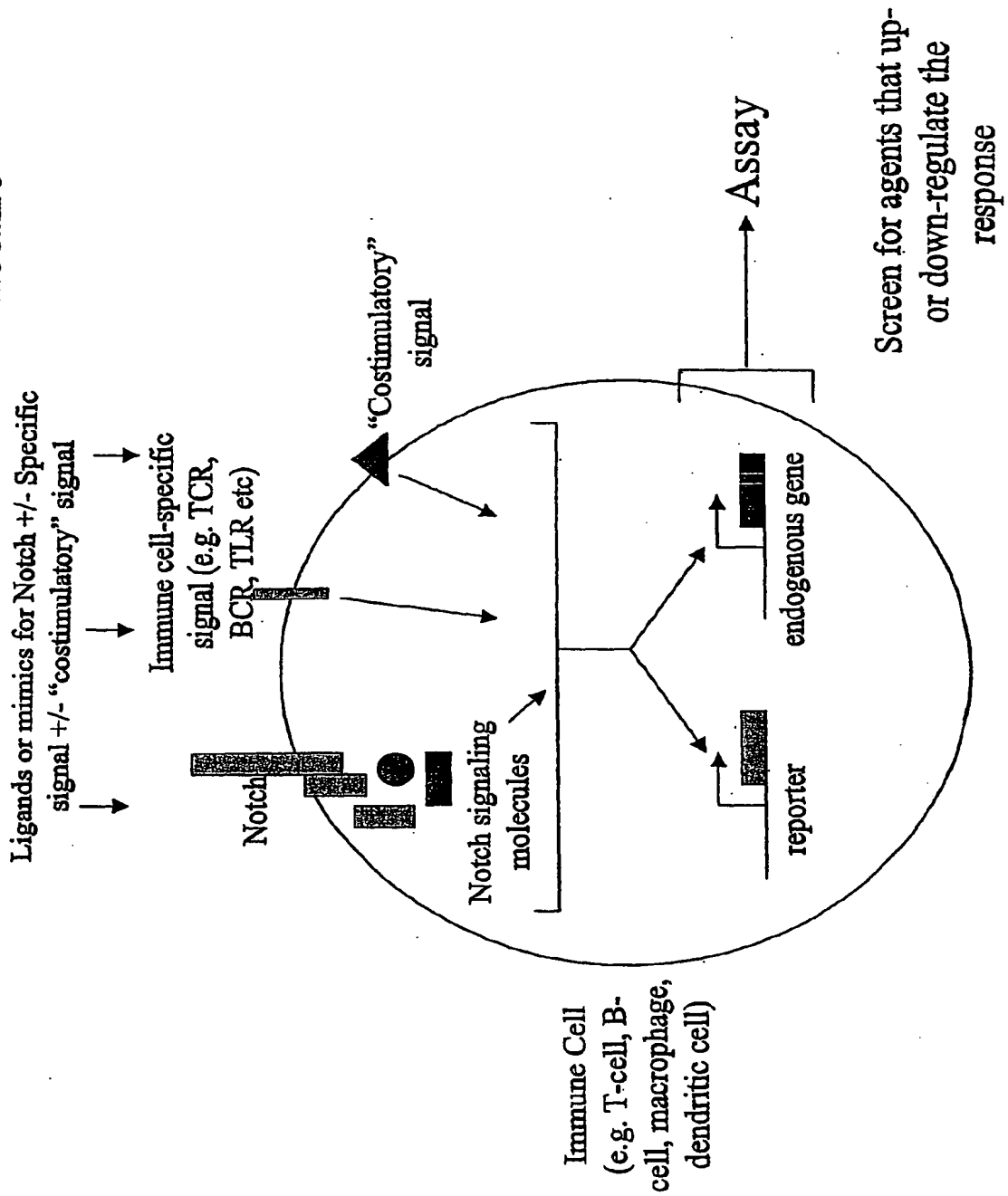


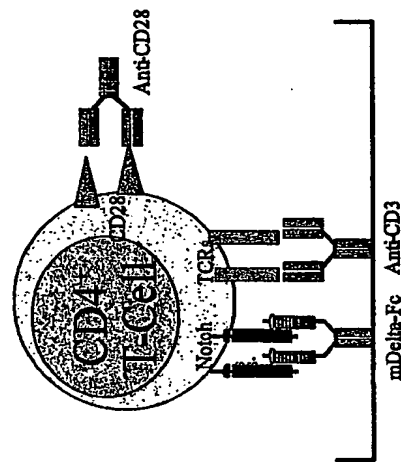
Figure 4

Figure 5

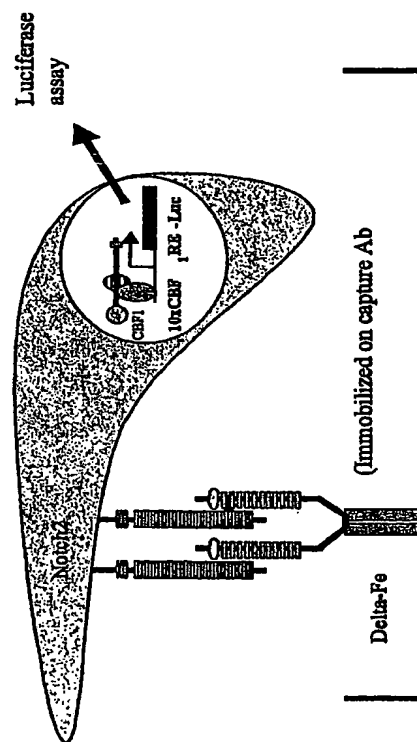


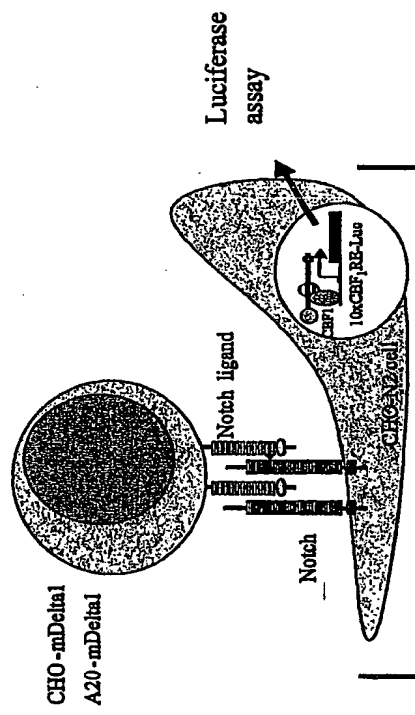
Figure 6

Figure 7

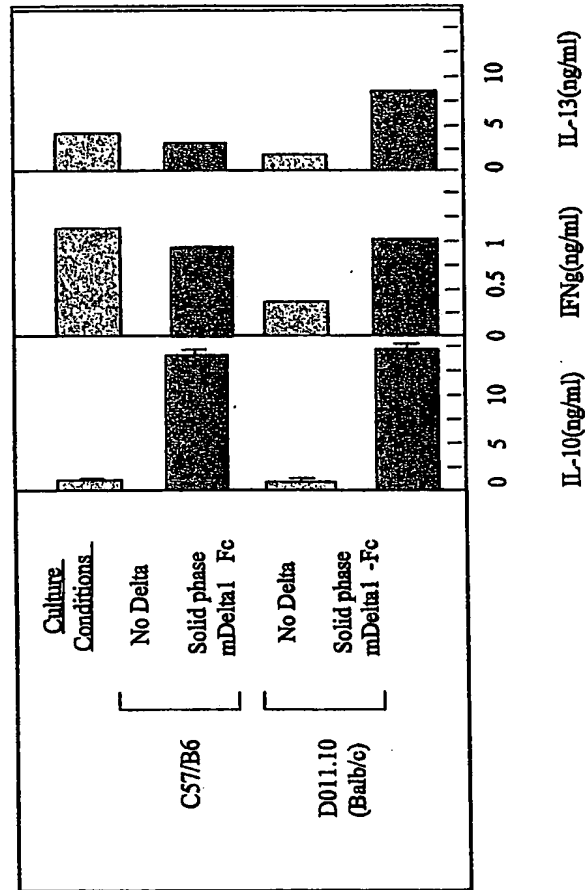


Figure 8

Relative expression of mHes1 in Cd4+ T cells



Figure 9

Cytokine production under polarising conditions

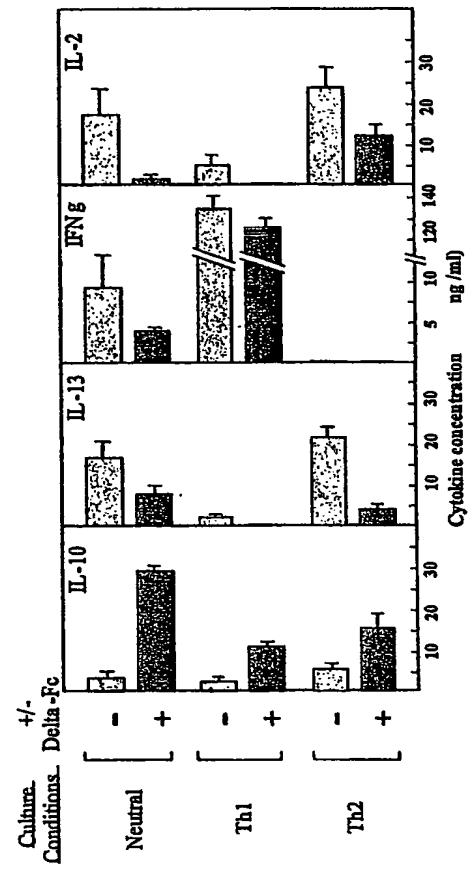


Figure 10

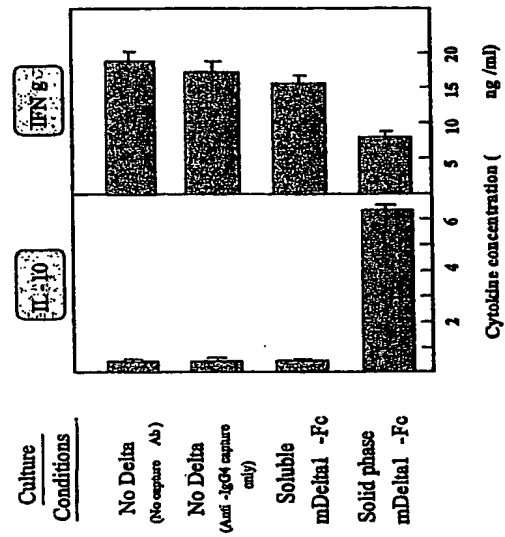


Figure 11

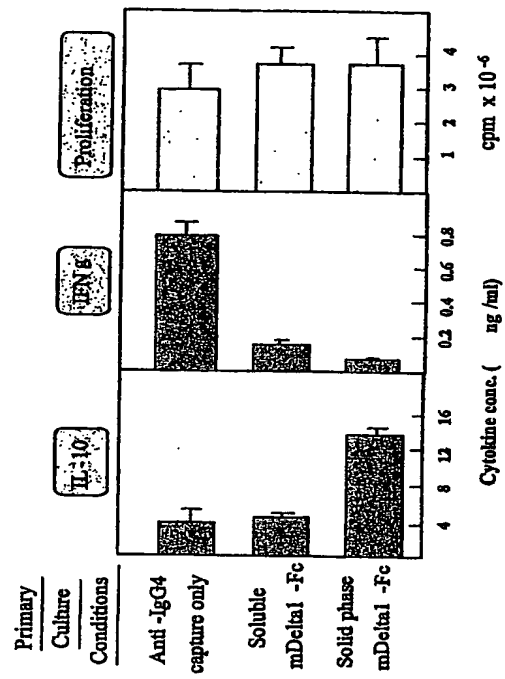


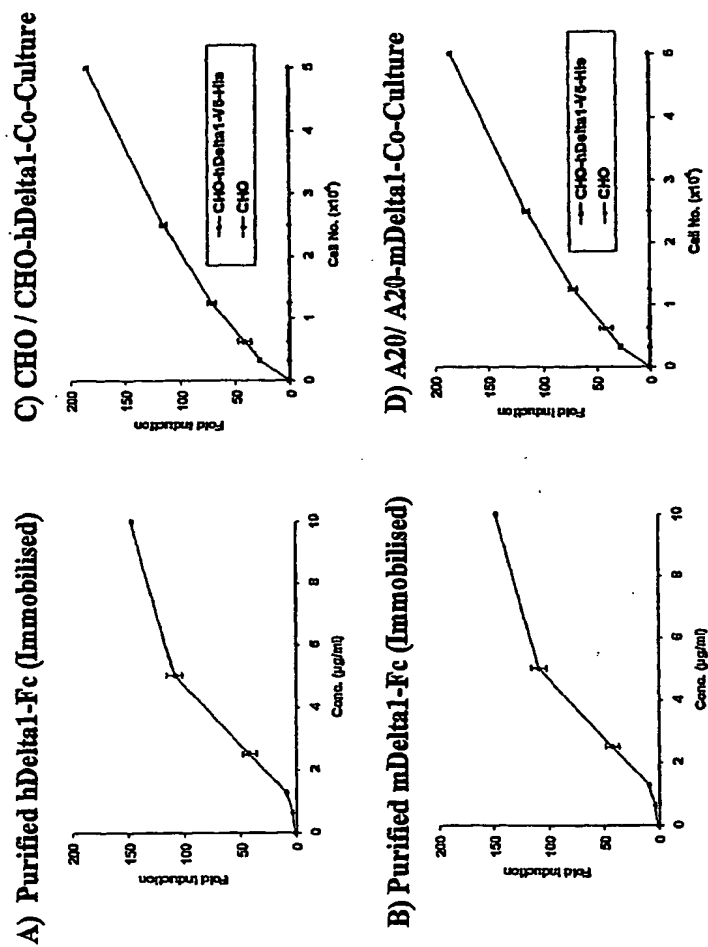
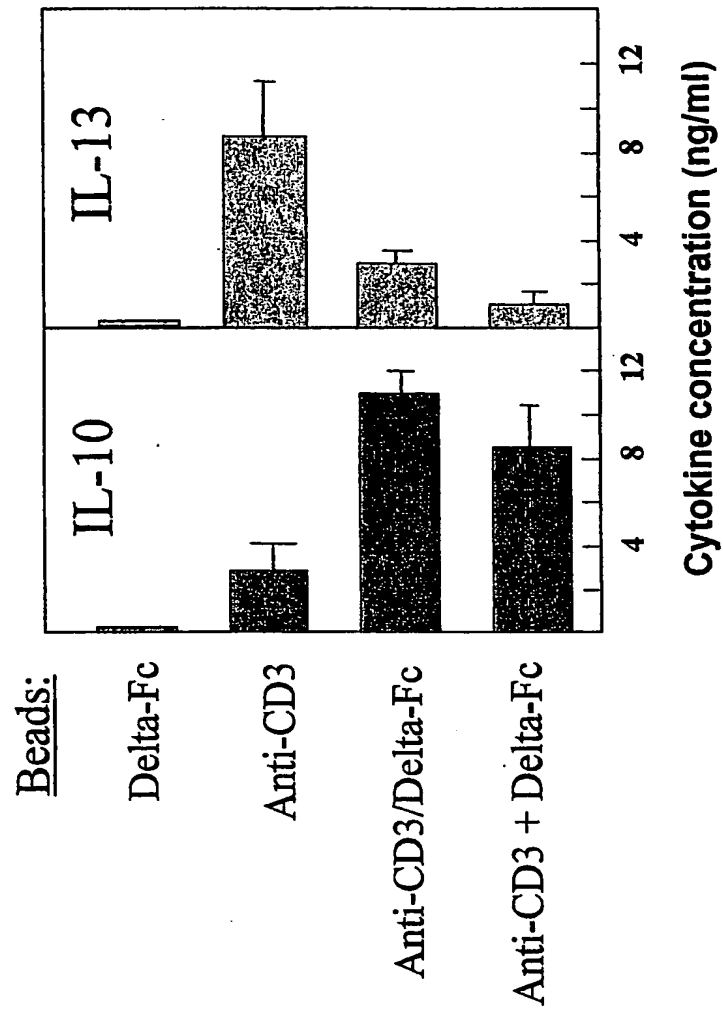
Figure 12

Figure 13: Delta-Fc coated beads modulate *in vitro* T-cell responses



CD4+ T-cells activated with beads coated as described plus soluble anti-CD28, 3d

Figure 14: Increase in IL-10 production in the presence of mouse or human Delta1 beads

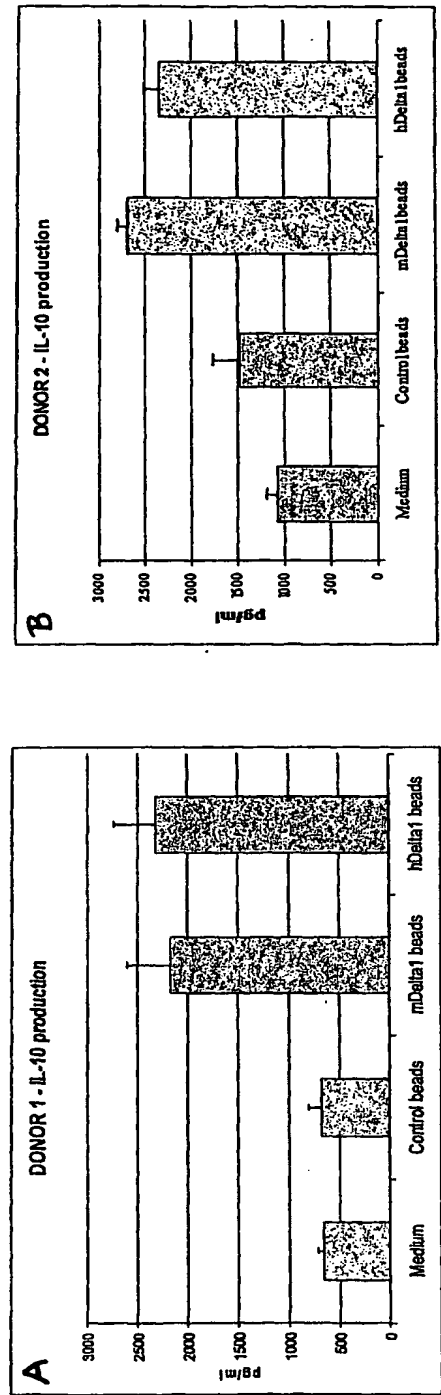


Figure 15: Decrease in IL-5 production in the presence of mouse or human Delta1 beads

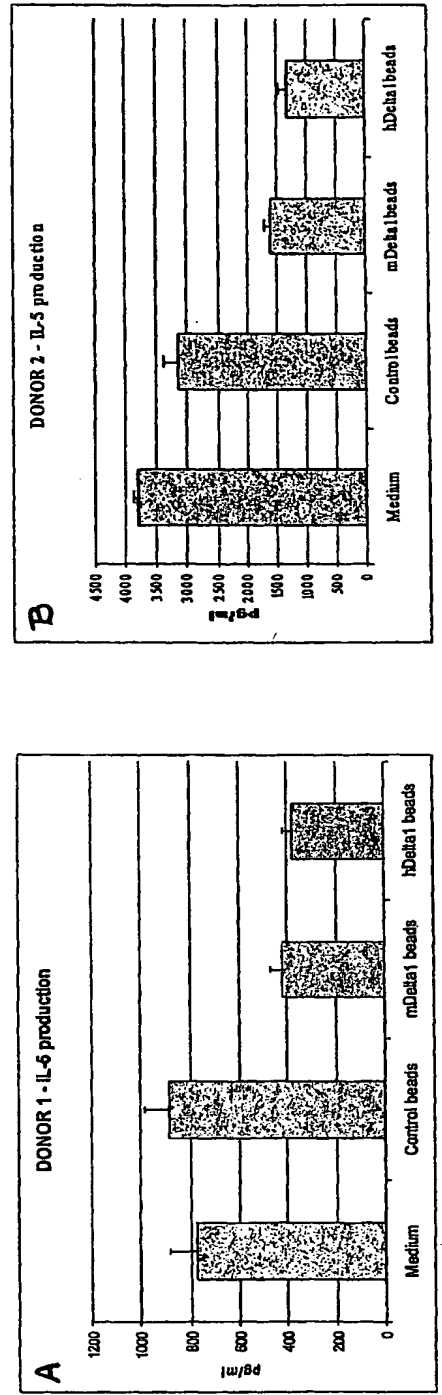


Figure 16: Increase in IL-10 production in the presence of mouse Delta1 beads

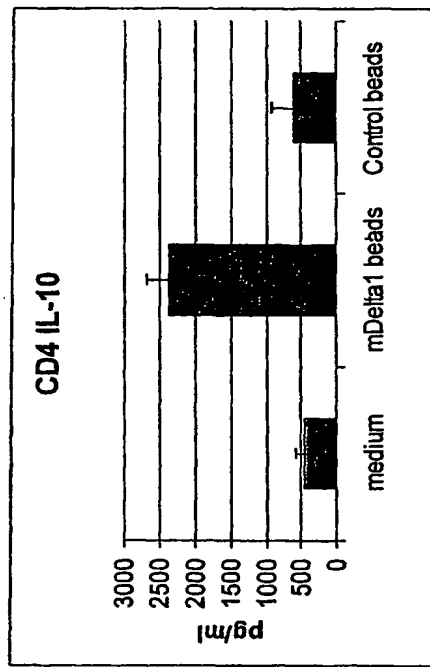


Figure 17: Decrease in IL-5 production in the presence of mouse Delta1 beads

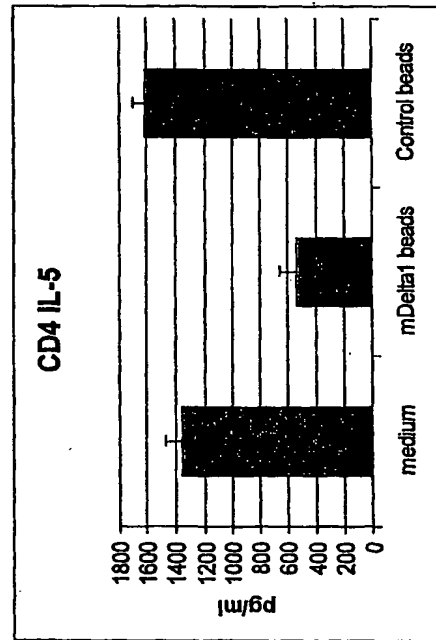
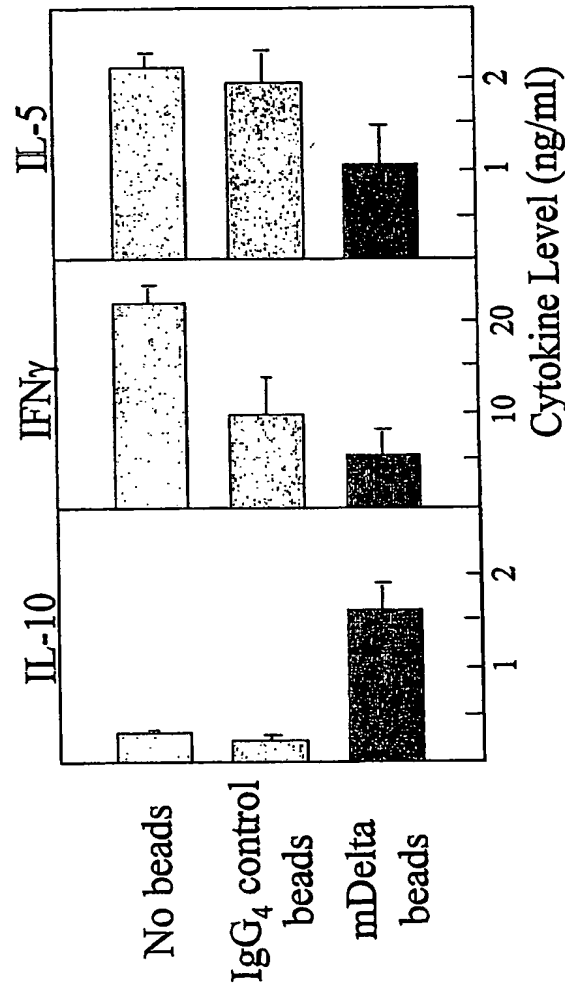
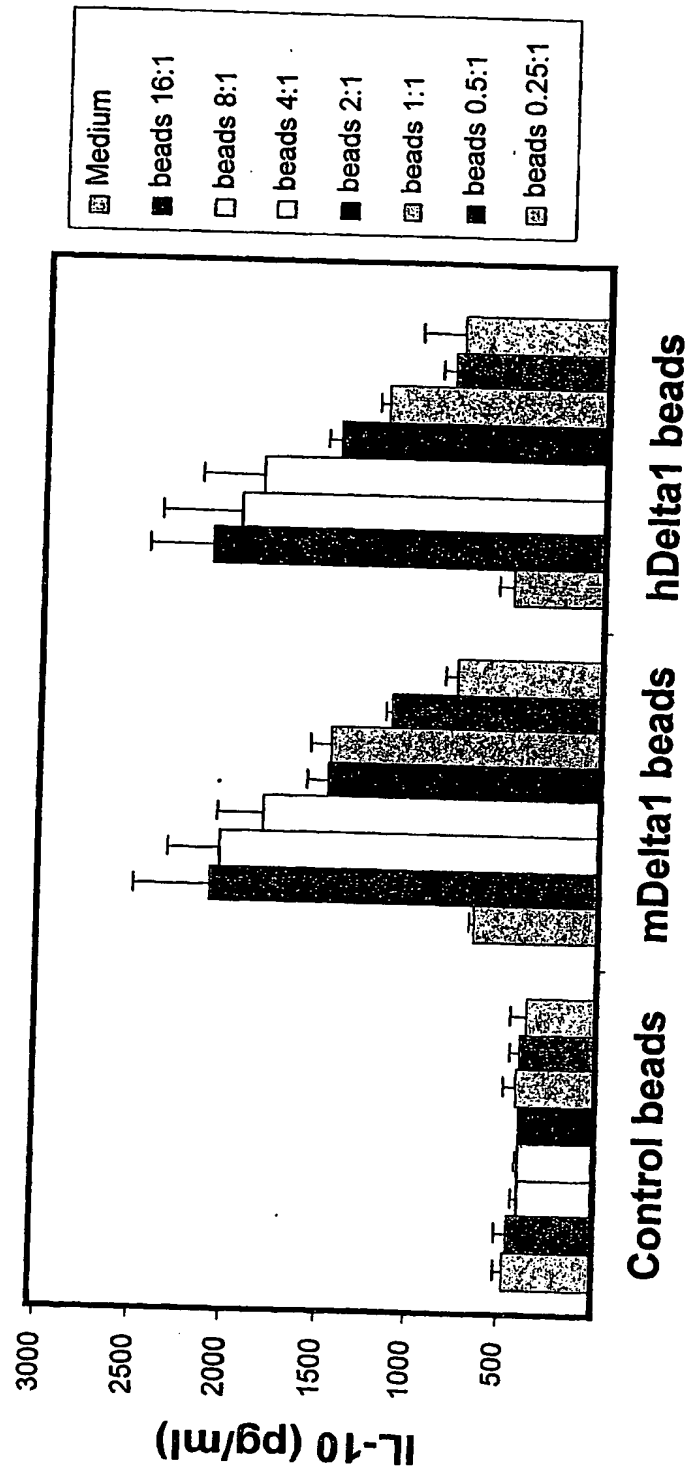


Figure 18: mDelta1-Fc Enhances IL-10 Production and decreases IFN γ and IL-5 Production by Human CD4⁺T-Cells



Human CD4⁺ T-cells stimulated with anti-CD3 + anti-CD28 with or without mouse Delta1-hlgG4-coated beads

Figure 19: Delta1 enhances IL-10 production by human CD4⁺ T-cells



Cells stimulated with anti-CD3/CD28 with or without Delta coated beads as shown
(medium only and then bead:cell ratios 16:1, 8:1, 4:1, 2:1, 1:1, 0.5:1 and 0.25:1
from left to right in each group)

Figure 20: mDelta1-Fc Enhances IL-10 Production and decreases IL-5 production by Anti-CD3/CD28 Activated Human CD4⁺ T-Cells

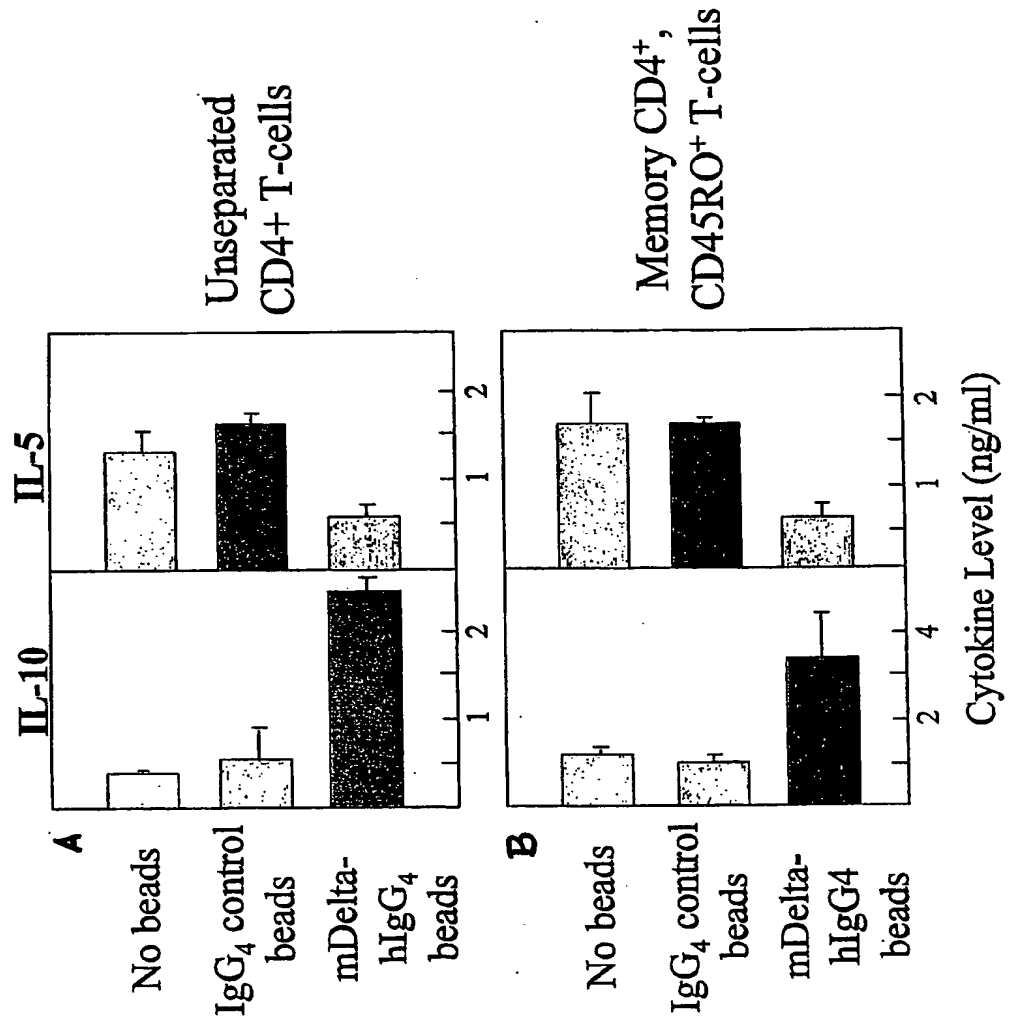


Figure 21: Delta-Fc enhances IL-10 production by murine CD4+ T-cells, even in presence of Th1 or Th2 cytokines

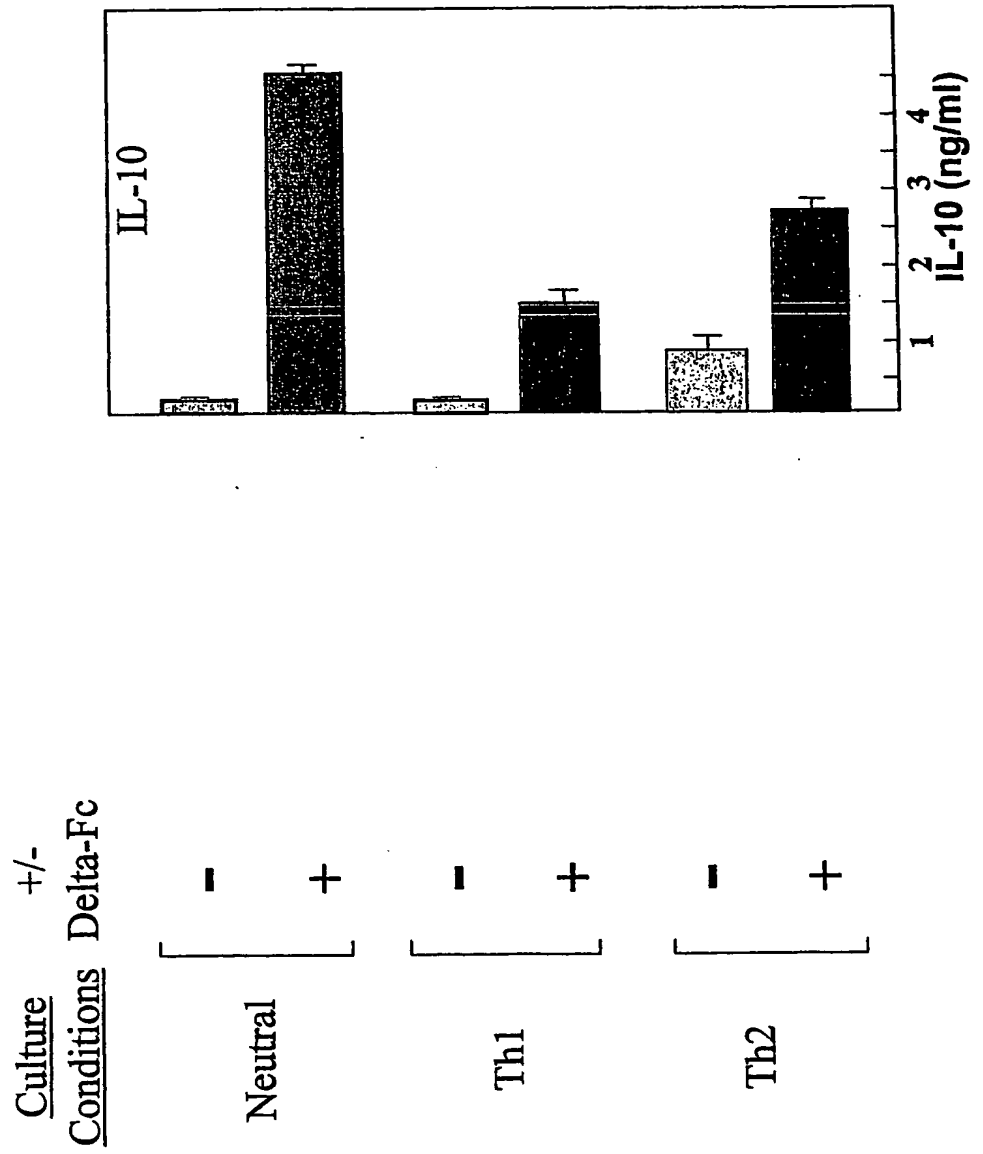


Figure 22: Micro-Array Profiling of Delta-Activated Genes in Jurkat T-Cells

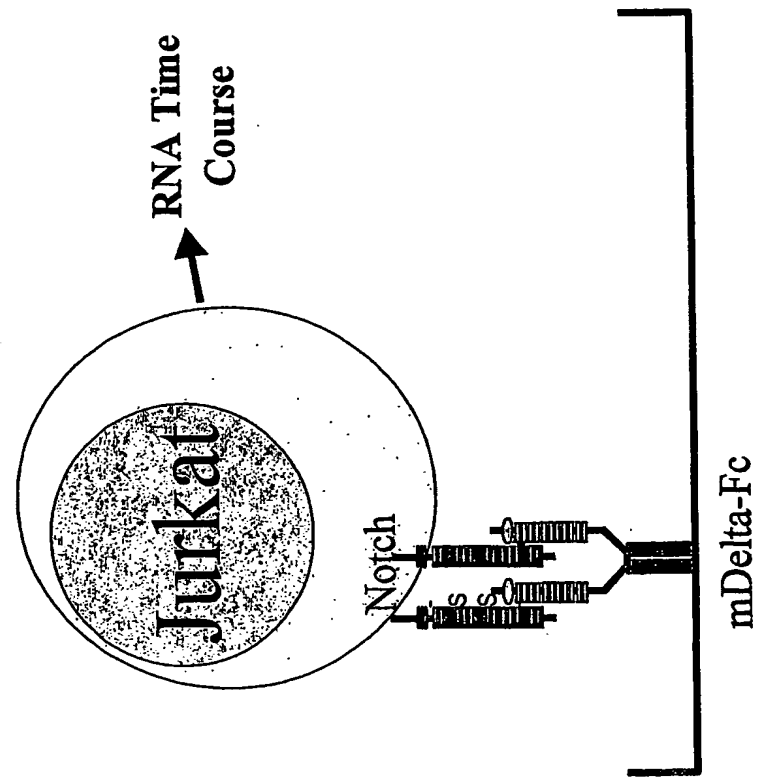


Figure 22A

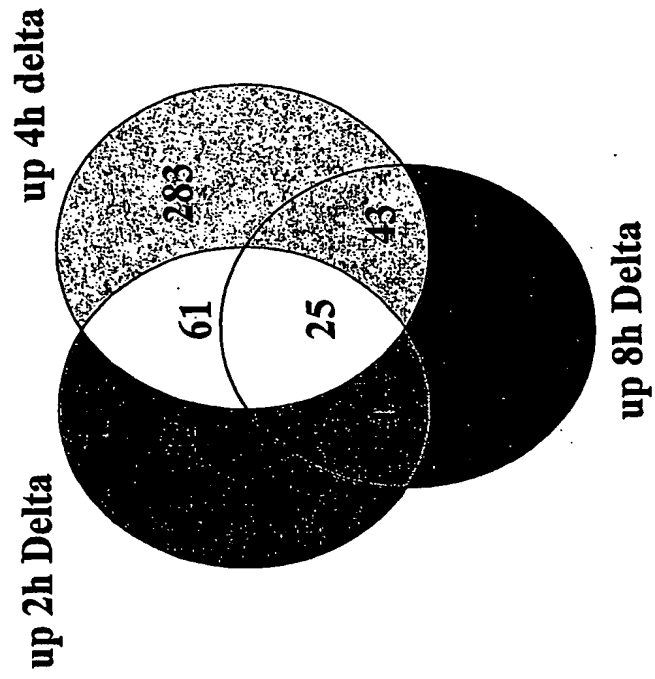


Figure 22B

Figure 23: Delta-Mediated Activation of Gene Expression in Jurkat T-Cells

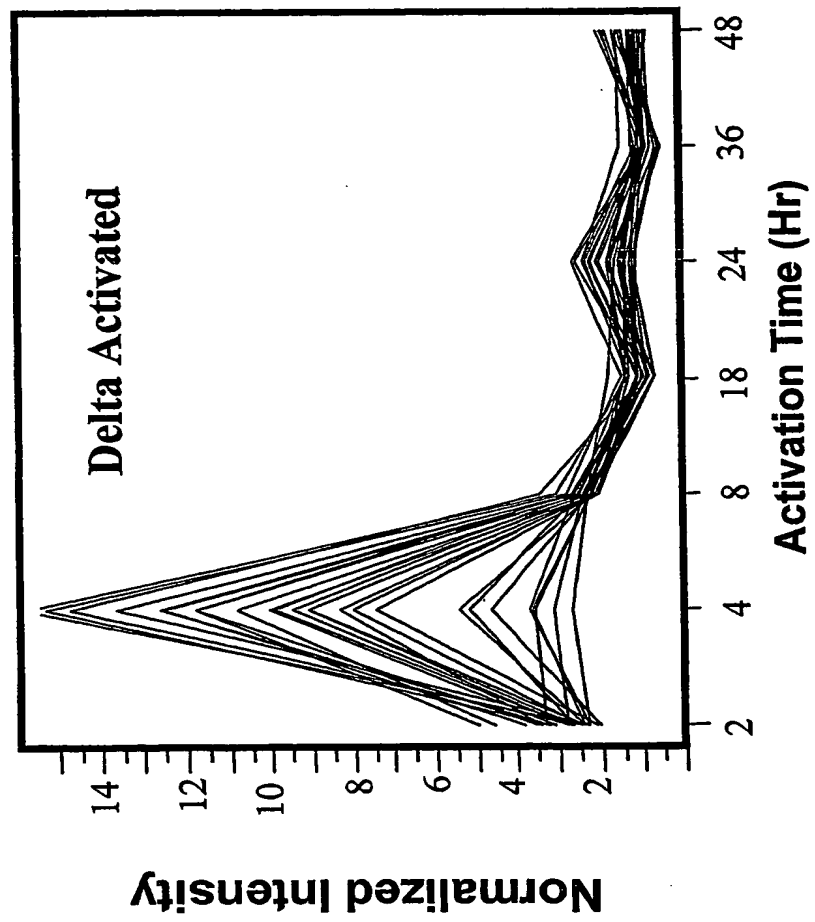


Figure 24: Micro-Array Profiling of Delta-Activated Genes in Jurkat T-Cells

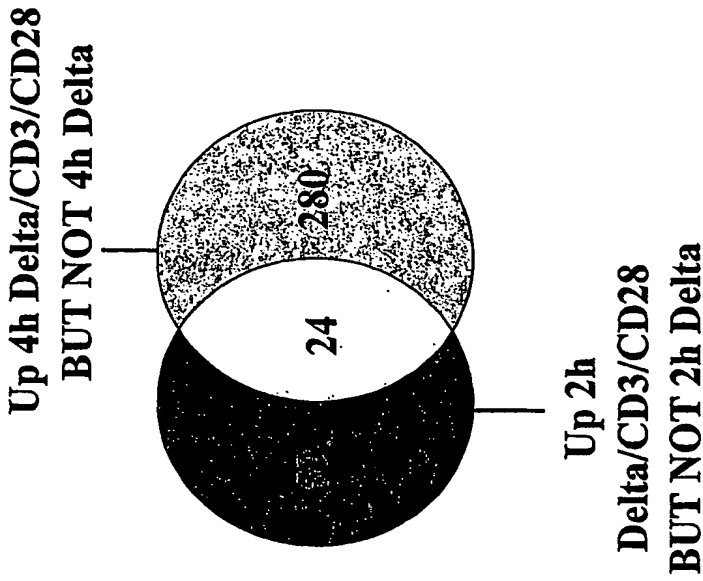


Figure 24B

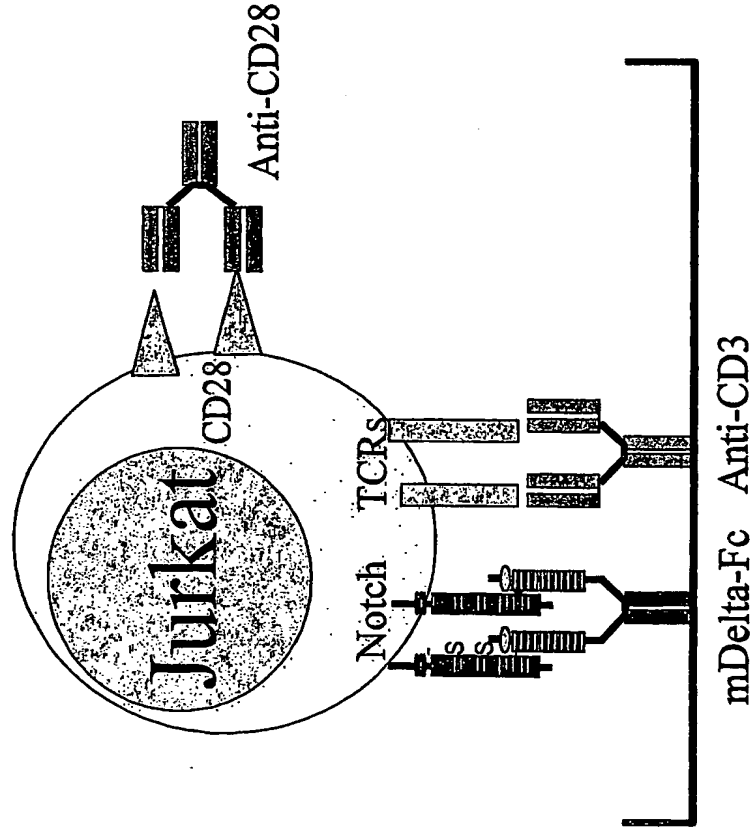
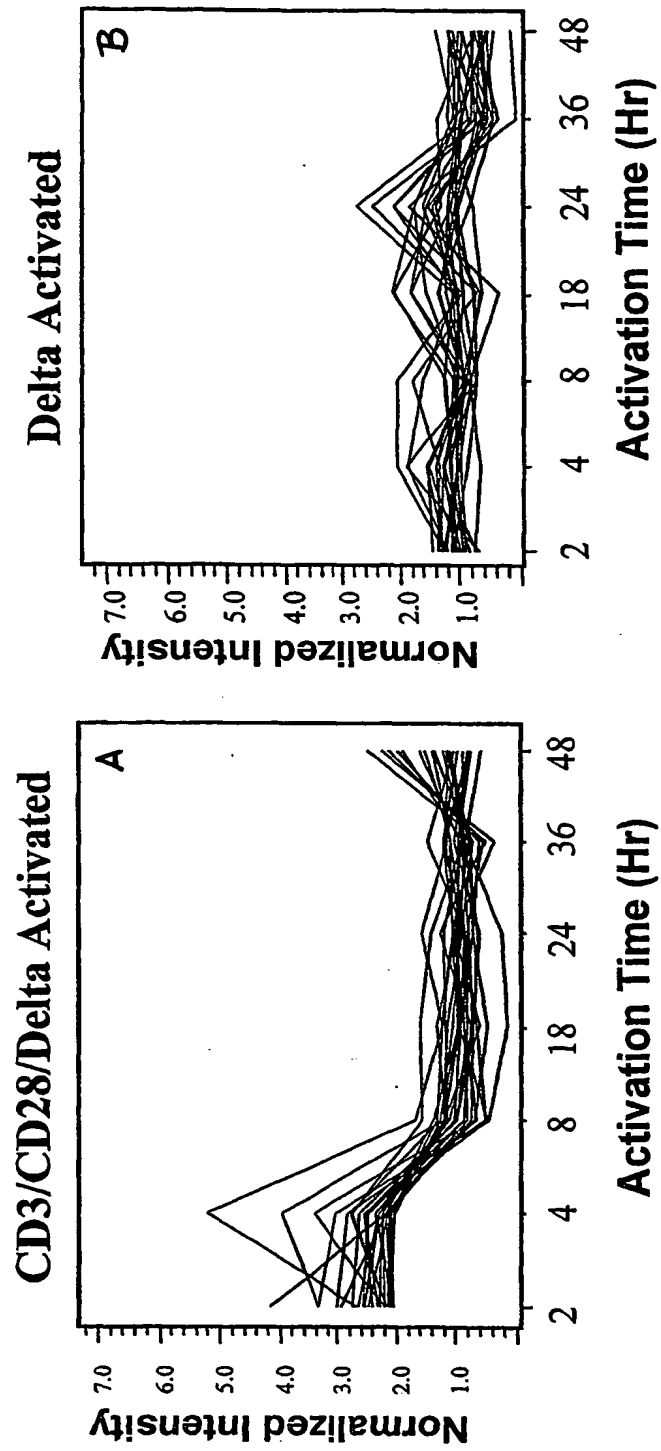
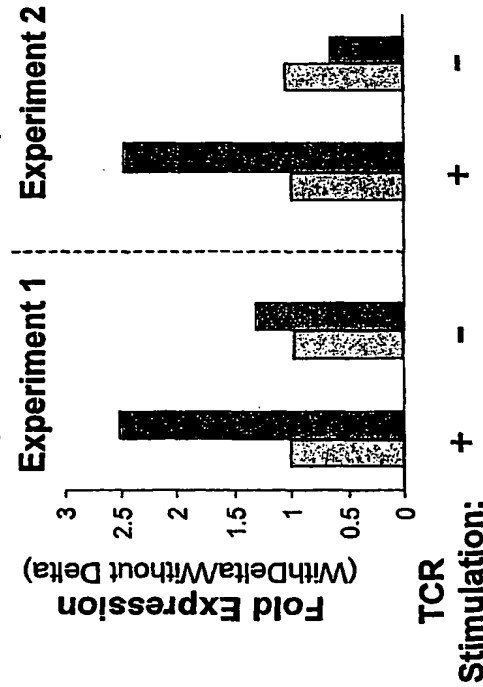


Figure 24A

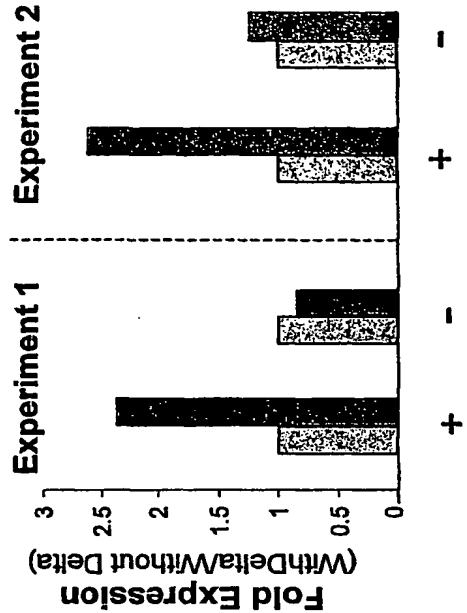
Figure 25: Delta Modulation of Anti-CD3/CD28 Activation of Gene Expression in Jurkat T-Cells



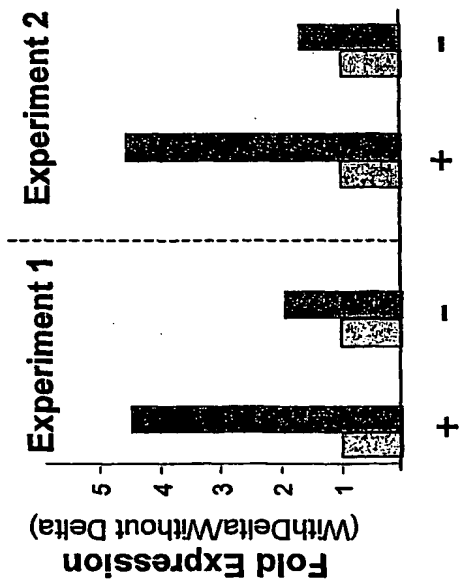
A. Cip1-interacting zinc finger protein (GenBank AA401210)



B. UMP-CMP kinase (R66137)



C. Helicase (AA843975)



Jurkat T-cell Culture:
Without Delta
With Delta

Figure 26

**Jurkat/FLNotch2 Clones : Transient Reporter Assay
+/- PMA/Ionomycin +/- hDLL1-Fc**

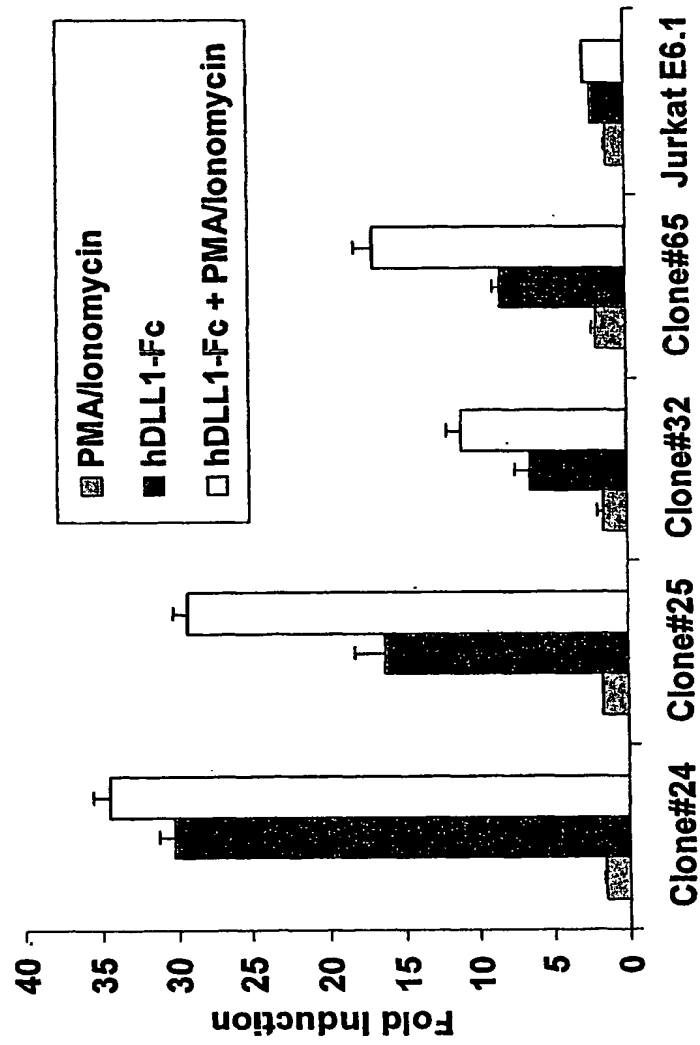


Figure 27

**Jurkat/FLNotch2 Clones : Transient Reporter Assay
Plate Bound hDLL1-Fc Dose Response Curves**

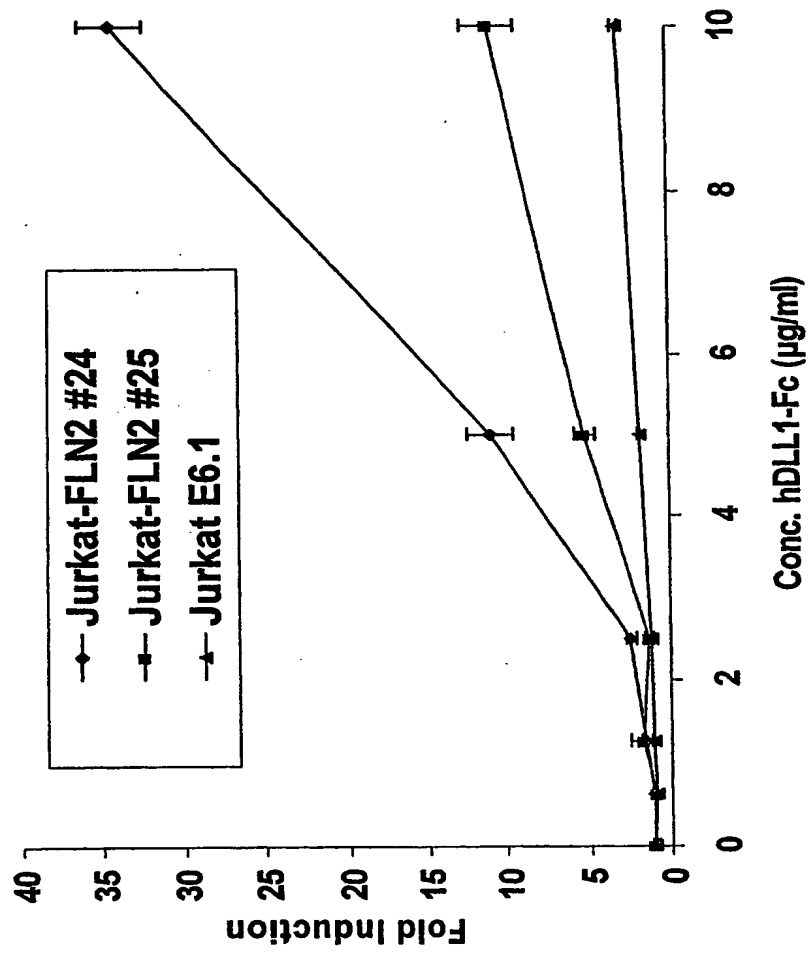


Figure 28

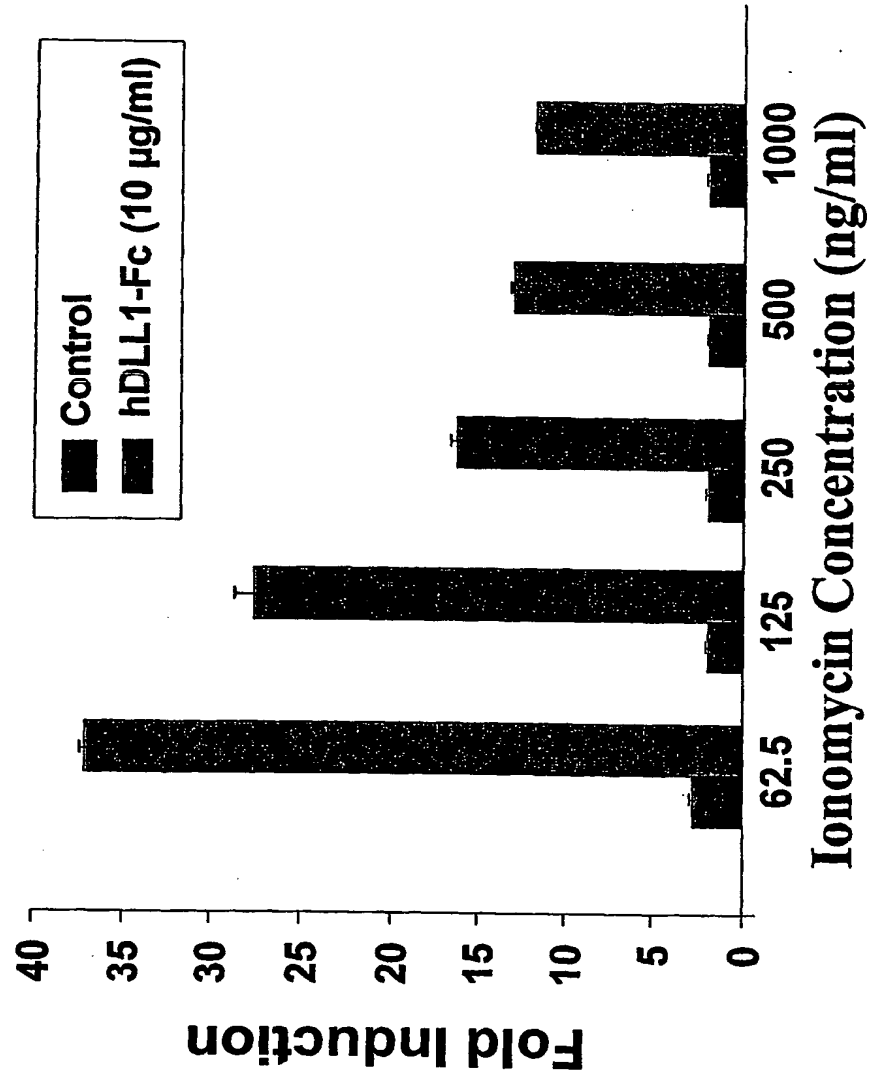
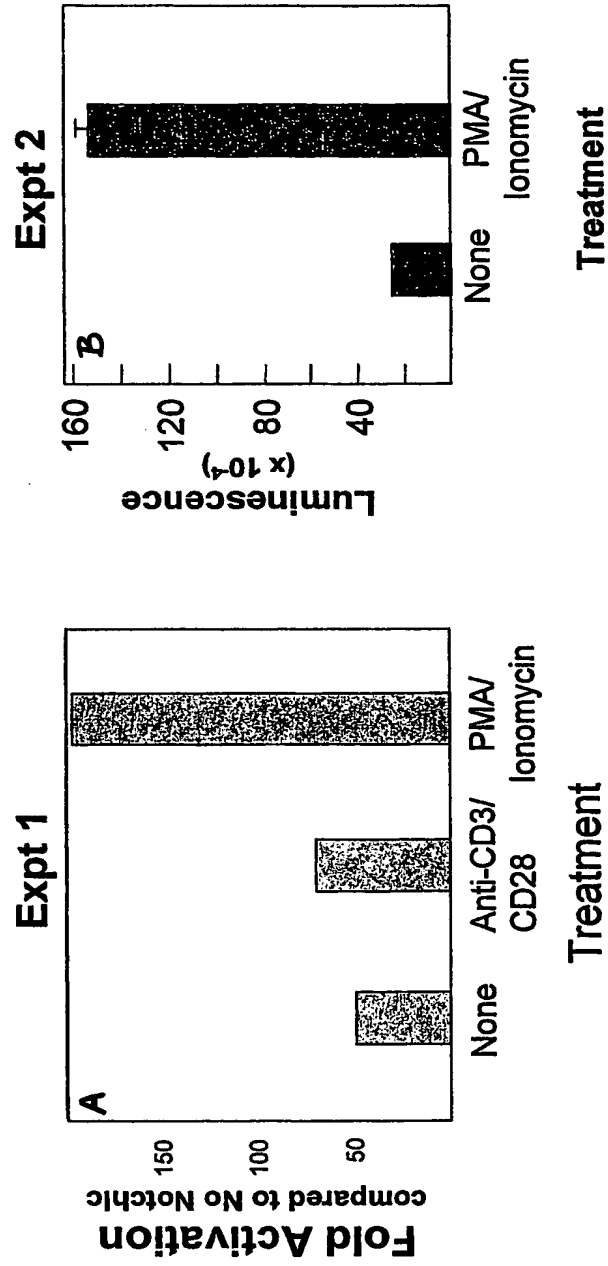


Figure 29



All Cells Transfected with CBF1-luciferase reporter + Nic

Figure 30

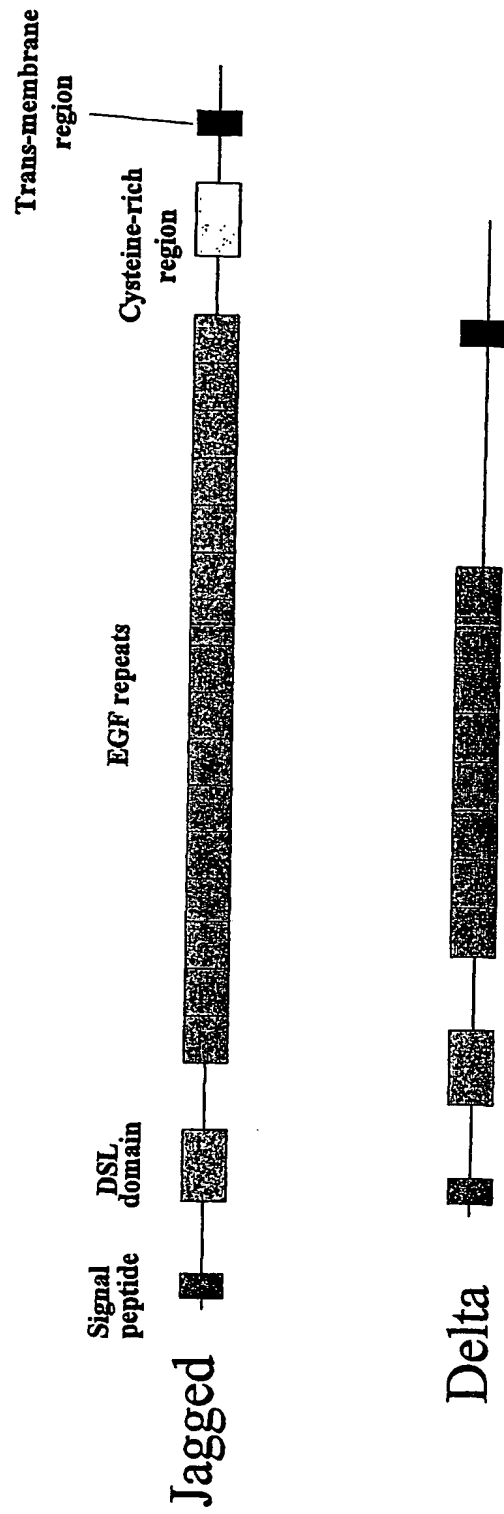


Figure 31

DL_DROME/164-226	WKTNKSESQ.....YT-----SLEYDFEVTCDLNYGSCAKFCRPRDDSFHSTCSETGEIICLTGWQGDYC
DLL1_HUMAN/159-221	WSODLHSSG.....RT-----DLKYSYRFVCDHHYEGECVSFCRPRDDAFGHFTCCGERGEKVCNPNCKGQPYC
DLL1_MOUSE/158-220	WSODLHSSG.....RT-----DLRYSYRFVCDHHYEGECVSFCRPRDDAFGHFTCGDGERGKMDPCWKQGYC
DLL1_RAT/158-220	WSODLHSSG.....RT-----DLRYSYRFVCDHHYEGECVSFCRPRDDAFGHFTCCGERGERKMDPCWKQGYC
DLL4_MOUSE/156-218	WRTEQNDT.....LT-----RLSYSYRVTCSDNYGESCRLCKKRRDDHFGHYEQPDDGSLCLPGWTGKYC
DLL4_HUMAN/155-217	WLDEQTSF.....LT-----RLSYSYRVTCSDNYGESCRLCKKRRDDHFGHYEQPDDGSLCLPGWTGEYC
Rat J1 (Q63722)	WQTLKQNTG.....LA-----HFEYQIRVTCDDHHYGFCKNFCRPRDDFTHYACDQNGNKTOMECHMGPEEC
Mouse J1 (Q9QXX0)	WQTLKQNTG.....LA-----HFEYQIRVTCDDHHYGFCKNFCRPRDDFTHYACDQNGNKTOMECHMGPEEC
Human J1 (O15122)	WQTLKQNTG.....VA-----HFEYQIRVTCDDYYGFCNKFRCRPRDDFTHYACDQNGNKTOMECHMGREC
Chick J1 (Q90819)	WQTLKHNTG.....AA-----HFEYQIRVTCADHHYGFCKNKFRCRPRDDFTHHTCDQNGNKTCLGWTGPEC
Chick J2 (O42347)	WKTLENGP.....VA-----NFEVQIRVKCDENYYSALCNKFCGPRDDFVGHYTCDDQNGNKAOMECHMGEEC
Mouse J2 (Q9QYE5)	WKSILHFSCH.....VA-----HLELQIRVRCDENYYSATCNKFCRPRDDFTHYTCDDQYGNKACMDCHMGKEC
Human J2 (Q90NK8)	WKSILHFSCH.....VA-----HLELQIRVRCDENYYSATCNKFCRPRDDFTHYTCDDQYGNKACMDCHMGKEC
Rat J2 (P97607)	WKSILHFSCH.....VA-----HLELQIRVRCDENYYSATCNKFCRPRDDFTHYTCDDQYGNKACMDCHMGKEC
Human J2 (Q9Y219)	WKSILHFSCH.....VA-----HLELQIRVRCDENYYSATCNKFCRPRDDFTHYTCDDQYGNKACMDCHMGKEC
SERR_DROME/221-283	WKTLDHGR.....NA-----RITYRVKVCATVYTYNTCTTFCRPRDDQFGHYACGSECGKLCILNGWQGVNC

Figure 32

(human Delta 1; GenBank Accession No. AF003522)

MGSRCALALAVLSALICQVWSSGVFELKQEFVNKKGLLGNRNCRCGAGPPACACTFFRVCLKHQASVSEPPCTYGSATVFLVGVDSFSLFDGGGA
 DSAFNPTRFPFGFTWPGTFSLTIEALHTDSPDDLATENPERLISRATQRLTVCEWNSQDLHSSGRDLKYSYRFVCDHYHTEGSCSVFCRPRDDAFG
 HFTCGERGEKVCNPGWKGPYCTEPICLPGCDEQHGFCDKPGCECKRVGWQRYCDECTIRYPCCLHGTCCQFQWQNCQOEHWGGLFCNQDLNYCTHHKPCKN
 GATCTNTGQGSYTCSCRPGYTGATCELGIDECDPSPCKNGGSCDLENSYCTCPFGYKICELSAMTCADPCFNGGRCSDSPDGGYSCRCPCVYSGF
 NCEKKIDYSSSPCSNGAKVDLGDAYLCRCQAGFSGRHCDNDVDDCASSPCANGTCRDGVNDFSTCTPPGYTGRNCSAPVSRCEHAPCHNGATCHERG
 HGTVCECARGYGGPNCQFLPELPPGPAVVDLTEKLEGGGFFVAVCAVILVLMLLGCAVVVRLRQKRRPADPCRCETEIMNNLANCQREK
 DISVSIIGATQIKRNTNKKADFHGDSADKNGFKARYPAVDYNLVQDLKGDGTAVRDAHSKEDTKCQPGSSGEEKGTPPTLRGGEASERKRPDSDSGCSTSK
 DKYQSVYVISEEKDECVIATEV

(human Delta 3; GenBank Accession No. NM_016941)

MYSPRMSGILLSQTVILALIFLPQTRPAGVFEIQIHSFGPGPGAPRSPCSARLPCKLEFFRVCLKPGISEEAAESPCALGAALSARGPVVTEQPGAPAPDL
 PLPDGLLQVPFERDAMPGETFSFIEWTREELGDQIGGPANSLIARVAGRRRLAAGGFWARDIQRAGAWELRFSTRARCEPPAVGTACTRLCRPSRAPSRCGP
 GLRPCAPLEDECEAPLVCRAGCSPEHGFCEQPCRCRCLGWTGTLCTVPVSTSSCLSPRGPSATTCGLVPGPGPCDGNPCANGGSCSETPRSFECTCPRG
 FYGLRCEVSGVTCADGFCFNGGLCVGGADPDSAYTCHCPPGFQSGNCEKRVDRCSLQPCRNGGLCLDLGHALRCRCRAGFAGPRCEHDLDCCAGRACANGG
 TCVEGGGAHRCSCALGFGGRCRERADPCAARPCAHGGRGYAHFSLVACAPGTMGARCFEYVHPDGSALPAAPPGLRPGDPQRYLLPPALGLLVAAGV
 AGAALLLVHVRRRGHSDAGSRELLAGTPEPSVHALPDALNNLRQEGSGDGPSSSYDNNRDEDVDPQGIYVISAPSIYAREVATFLFPPLHTGRAGQRQHL
 LFTYPS8ILSVK

(human Delta 4; GenBank Accession No. AF_253468)

MAAASRSASGWAALLLVLMQORAGSGVFQLOLQEFINERGVLASGRPCFPCRTFFRVCLKHQAVVSPGPGCTFTGTVSTPVLGTNSFAVRDDSSGGGRN
 PLQLPFNFWPGTFSILIIEAWHAPGDDLRPEALPPDALISKIAIQGSLAYGQNWLLDEQSTLRLRYSYRVICSDNYGDNCRSLCKKRNDFHGHVYVQOP
 DGNLSCLPGWTGEYQOQPICLSGCHEONGYCSKPAECLCRPGMWQGRICNECTIPHNGCRHGTCTFWQCTCDEGWGGLFCQDLINYCTHHSPCKNGATCSNS
 GQSYTCTCRPGYTGVDCELELSECDSPNCRNGGSKDOEDGYHCLCPPGYGLHCEHSTLSADSPCFNGGSCREERQGANIYACECPNFTGSCNCEKKVD
 RCTSNPCANGGQCIANRGP SRMCRCPGFTGTCTYCELHVSDCARNCAHGGTCHDLENGIACCTCPAGFSGRRCVYRTSIDACASSPCENRATCYTDLSTDTFV
 CNCPYGFVSRCEFFVGLPPSPFPWAVSLGVGLAVLLVLLGMVAVRQLRLRRPDDGSRAMNNLSDFOKNLIPAAQLKNTNQKLELVDCCGLDKSNCG
 KQONHTLDYNLAPGPIGRGTMPGKTFPHSDKSLGEKAPLRHSEKPECRISAICSPRDSMYQSVCLISEERNECVIATEV

Figure 33

(human Jagged 1; GenBank Accession No. U73936)

MRSPTRTGRSGRPLSLALLCALRAKVCASGQFELEILSMQNVNGLQNGCCGARNPGRKCTROECDTYFKVCLKEYQSRVTAGGPCSPGSG
STPVTGENTFNILKASRGNDNRNRLVLPFSFAWPRSFTLLVANDSSNDTVQDSIIIEKASHGMINPSPQWTLQNTGVAFHEYQIRVTCDDYYVGF
GCNKGCRPRDDFFGHYACDQNGNKTCEGWMGPECNRAICRQGCSPKHGSKLPEDCRQYQWGLYCDKCIHPFGCVHGICNEFWQCLCEINWGGQ
LCDKDLNYCGTHQPCINGGTCNTPDKYQCSCEGYSGENCEIAEHACLSDPCHNGSKETSLGFCECSPGWTGPTCTNTIDDCSPNNCSHGCT
CQDLVNGFKVCVCPQWTGKTCLQDANECEAKPCVNAKSKNLIASYYCDCLFGWMQNCIDININDCLGQCQNDASCRDLVNGYRCICPPGYAGDHCE
RDIDECASNFCINGHCONEINRFQCLPTGFSNLQDIDYCEPNPQNGAQCYNRASDYFCCKPEDYEGKNCSHLKHCRITTFCEVIDSCTVAM
ASNDTPEGVRYISSNVCGPHGKCKSQSGKFTCDCKNGFTGTGTYCHENTINDCESNPCRNNGGTCIDGVNSYKICISDGEWEGAYCEININDCSQNPCHNG
GTCDRLVANDFYCDCKNGWKGKTCNHSRDSQDEATCNNGGTCYDECDFAKCMCPGWEHTTONTIARNSSCLPNPCNNGGTCVNVCESTFCVCKEGWEG
PICAQNTNDCSPHPCYNSTGTCVDGNWYRCCEAFGAGPDCRININECQSSPCAFATCVDEINGYRCVCPPHGSGAKCOEVSGRPCITMGSVIPDG
AKWDDCNTCCCLNGRIACSKVWCGRPCILLHKGHSECPSGQSCIPILDDQCFVHPCTGCECRSSLOPVTKCTSDSYODNCANITFTFNKEMM
SPGLTTEHCISELNILKNVSAEYSIYIACEPPSPANNEIHVAISAEIRDGKNPIKEITDKIIDLVSKRDNSSLLAAVAEVRVORRPLKNRTD
FLVPLSSVLTVAMICCLVTAFTWCLRRKPKGSHTHSASEDNTNNVREQLNQIKNP IEKHGANTVPIKD YENKNSKMSKIRTHNSEVEDDDMKH
QOKARFAKQPAYTLVDREKPEPNGTPTKHNTNKNQNRDLESQAQSLNRMEYTV

(human Jagged 2; GenBank Accession No. AF029778)

MRAQGRGLPRRILLALLWVQARPNGYFELQLSALRNVNCELLSGACCDGGRTRAGCGGHECDTYVRVCLKEYQAKVTPTGPCSYGHGATPV
LGNSFTYLPAGAGDRARARAGGDDPGLVVIPOFAWPRSFTLLVANDNDITPNEELLIERVSHAGMTNPEDRWKSLHFSGHVAHLELQI
RVRCDENYISATCNKFCRPRNDFTHYTCDQYENKACMDGWMGKECEAVCKQCNLLHGCTVTPGECSRSGWQGRFCDECVTPYPCGVHSGCVFEFW
QCNCETNWGLLCDKDLNYCGSHHPTNGGTCINAEPPQYRCTCPDGYSGRNCEKAETHACTSNPCANGSGCHEVPSGFECHCPSGHSGPTCALDIDE
CASNECAAGCTCVDQVDGFEICPEQWVGATCOLDANECEGKPCINAFSKNLIGGYCDICPGWKGINCHINVNDRCGQCQHGCTCKDLVNGYQCV
CPRFGGRHCELERDKCASSPCHSGGLCEDLADGFHCHCPQSGFTCEVDVLCESPFRCNGARCINLEGDYYCACPDGFGKNCVYPREPCPGGA
CRVIDGCGSDAGPMPGTAAAGVCGPHGRCVSPGGENFSCICDSGFTGTGTYCHENTINDCLGQPCRNNGTCTIDEVDAFRFCFCPSGWEGLCDTNPNDCL
PDPCHSRGRCVDLVNDFYCACDDGWMGKTCCHSREFQDAVTCNNGGTCYDSGDTFRACACPPKWKSTCAVANKNSCLPNPCVNGGTCVSGSGASFSCI
CRDCHWEGRTCTHTNDCNPLPCYNGGICVDGVNWFRCCEAFGAGPDCRINIDEQSSPCAYGATCVDEINGYRCVCPPHGSGAGPQOEVIQFGRSCW
SRGTFPHGSSWVEDCNSRCILDGRDCSKVWCWKPCLLAGOPALSAQCPFGORCLEKAPQCLRPDCEAWCEGAEESTPCLPRSGHLNDC
ARLTHFNDRHVPQGTVGAICSGIRSLPATRAVARDRLVLLCDRASGASAVEVAVSFSPARDLPDSSLIQGAHAHIVAAITQNGNSLLIATVE
VKVEVTVTGSGSTGLVFLVLCGAFSVLWCLACVLCVWTKRKRKEERSRLPREESANNQWAPINPIRNP IERPGGKDVLYQCRKNFTPPPRADEA
LPGPAGHAAVREDEDEDLGRGEEDSLAEKFTSHKFTKDPGRSPGRPAHWASGPKVDNRVRSINEARYAKE

Figure 34

HumanNotch1(AF308602)

MPPLAFLICLALLPALAARGPRCSQPGETCIINGCKCEANGTEACVCGGAFVGPCCODPNCLSTPCXVAGTCHVDRGVADYACSCALGSGPLC
 LTFILDNACLINPCRNGGTCILLITLEYKRCRPPGWSGKSCQADPCASNPCANGGCLPFEASYICHPPSFHPTCRQDVNECGQKPRLCRHGGTCH
 NEVGSYRCVCRATHGTGNCERPVPVPCSPFCONGGTCRPTGDTVTHECACLPFTGNCENIDDDCPGNCKNGACAVDGVNTYNCPCPFEWTQYCYTE
 DVDECOLMENACONGTCHNTHGGINCVCVNGWTGEDCSENIDDCASAAACHGATCHDRVASFYCECPHGRTGLICHLDNACISNPNEGSNCIDTNPV
 NGAICTPSPGYTGPAQSQDVDEC SLGANPCEHAGKCINTLGSFECQCLQGYTGPRCEIDVNECVSNPCQNDATCLDQICEFQCMKMPGYEGVHCEVN
 TDECASSPCLHNGRCLDKINERQCEPTGFTGHLQDYDVDECASFTCKNGAKCLDGNITYTCVTEGYTGTHCEVDIDECDPDPCHYGSKDGVAFTT
 CLCRPGYTGHCETNINECSSQPCRLRGTCODPDNAYLCECLKGTGENCEINLDDCASSPCDSGCTCLDKIDGYECACCEPGYTGCMCNENIDECAGNP
 CHNGGTCEGLNGFTCRCPEGYHDPCLSEVNECNSNPCVHGACRDSLNGYKCDGPGWSGTCNDINNNECESNFCVNGGTCKDMTSGIVCTCREGFS
 GPNQNTINECASNPCLNKGTCIDDDVAGYKCNCLLPYTGTATCEVVLAPCAPSPCRNGCECRQSEDEYSFSCVCTAGAKQTCVTDINECVLSPCRHG
 ASQONTHGYRCHQOAGYSGRNCEIDDDCRPNPCHNGGSCDTGINTAFCDCLPFRGTFCEEDINECASDPCRNANGANTDQVDSYTCCTCPAGFSGIH
 CENNTFDCITESCFNGGTCVDGINSFTCLCPPGFTGSYCOHVNECDSPCLLGGTCQDGERGLHRCCTCPQGYTGPNCQNLVHWCDSPPCKNGGKCMQT
 HTQYRCECPSGWTCLYCDVPSVSCVAAQROQGVDAVARLCOHGGCLCVDAGNTHHCRQOAGYTGSCYCEDLVDECSFSPCQNGATCTDYLGGYSCKCVAGY
 HGVCSEEDIECLSHPCONGGTCILDLPNTYKSCPRGTQGVHCEINVDDCNPPVDVYRSRSPKCFNNGTCVDQVGGYSCCTCPPGFVGERCEGDVNECLS
 NPCDARGTQNCVQVNDHFCECRAGHTGERCESVINGCKKPKCKNGGTCAVANTARGFIKCPAGFTGATCENDARTCGSLRCLNGGTCISGPRSP
 CLCLGPFTEGECQFPASSPCLGPNPCYNQGTCEPTSESPTFYRCLCPAKENGLLCHILDYSGGAGRIDIPPLITEEACELPECOEDAGNKVCSLQCNN
 HACGWDGDCSLNFNDPWKNCTQSLQCKWYFSDCHDCDSQNSAGCLDFGDCQRAEGQCNPLYDQYCKDHFSDGCHDQCCNSAECEDWDGLDCAEHVPE
 RLAAGTLVVVVIIMPPEQLRNSSFHFLRELSRVLHTNVVFKRDAHQOQMIFFYIGREEELRKHPIKRAAEGWAAFDALLGVKASLLPGGSEGGRRRR
 LDPMVRSIVYLEIDNRQCVQASSQCFQSATDVAAFLGALASLSINIYKIEAVQSETFVPPPAQLHFMVYAAAFFVLLFFVCCGVLLSRKRRRQ
 HGQWFFPEGEKVSASKKKRREFLGEDSVGLKPLKNAODGALADONQNEWDEDLTKKFRTEE PVVLPDLDDQTDHRQTQQLHDAADLRMSAMAPT
 PQCEVDADCMQVNVRGPDGFTPLMIASCSGGGLETCNSEEDAPAVISDFIYQASLHNQDRTGCTALHLAARYSRSDAAKRLLEASADANIQDN
 MERTPLHAASADAQGVFQILIRNRATDILDARMEDGTTPLILAAARLAVEGMLLEDLNSHADVNAVDDLGKSAHLWAAAANNVDAAVVLLKNGANKMQ
 NNREETPLFLAAREGSYETAKVLLDHFANRDITDMDRLPRDIAQERMHDIVRLDEYNLVRSPQLHGAPLGCTPTLSPPLCSNPGYLSLKPQVQG
 KKVRRKPSKGLACGSKAKOLKARRKKSQDCKGLDSSGMLSPVDSLESPHGYSLSDVASPFLILPSFPQOSPSPVPLNHLPCMPDTHLGIHLNVAAP
 ENRALGGGGLAFETGPPRLSHLPVAGTSTVLGSSSGGALNTTVGGSTSLNGQCEWLRLQSGWVFNQYNPLGSSVAPGFLSTQAPSLQHGAVGGLH
 SSLAASALSQWMSYQGLPSTRLATQPHLVQTQVQVQPNLQWQOQNLQANTQQQSLQPPPPPPQPHLGVSAAASHLGRSFLSGEPSSQADYQPLGPS
 SLAVHTILPQESPALFTSLPSSILVPPFTAAQFLTPPSQHSYSSPVNDTPSHQLQVPEHPFLTPSPESPDQWSSSSPHSNVSDWSEGVSSPPTSMQSQI
 ARIPEAFK

Figure 35

HumanNoteh2(AAA36377)

MPALRPAALLWALLMLCCAAPAHALQCRDGYEPCVNEGMCVYHNGTGYCKPEGLGEYQOHRDPCKNRCONGGTCVAQAMLKATCRCAASGF
 TGEDCOYSTSHPCFVSRPCLNGGTCMLSRDTYECTQVFTGKQWTDACLSPCANGGSTCTTANQFSCKLTGFTQKCEITVNECDIPGHC
 QHGETCLANLPGSYQCCPQFGTGYCDLXVPCAPSPCVNGGTCRQGTFFTECNCLPGFTGTCERNIDDCFNHRCQNGGVCDGVNTYNCRCPP
 QWTGQFCTEDVDECLIQPNAONGGTCANRNGGTCVGVNGWSGDDCSENIDDCAFASCTPGSTCIDRVASFSCMCPEKGAGLILCHLDDACISNFC
 HKGALCDTNPNGQYICTCPQGYKGADCTEDVDECAMANSNPCEHAKGVNTDGAFCCLKEGYAGPRCEMDINECHSDPCQNDATCLDKIGGFTC
 LCMPEFGKVHCELEINECQSNPCVANGQCVDKVNFQCLPPGFTGPVCQIDDDCSSTPCINGAKCIDHPNGYECQCATGFTGVLCENIDNCDP
 DPCHHGQCCQDIDSYTICINPGYMGAI CSDQIDECVSSPCLNDGRCLDVLNGYQCNQOPGTSVNCENINFDCA SNPCIHGIOMDGINRYSCVCSPP
 GFTGQRCNIDIDECA SNPCRKGATCINGVNGFRCICPEGPHHPSYCSQVNECLSNPCIHGNTGCLSGYKCLDAGWVGINCEVDKNECLSNPCQN
 GGTCDNLVNGYRCTCKGFGKYNQVNIDECASNPCNLNQCFDIDISGYTCHCVLFTGKNQVTLAPCSNPNPCENAAVCKESPNFESYTCCLAPG
 WQQRCTIDIDECISKPCMNHGLCHNTQGSYMCCEPPGFSQMDCEIDDDCLANPCQNGGSCMDGVNTFSCILCPGFTGDKQCTDMNECLSEPCKN
 GGTCSDYVNSYTCCKOAGFDGVHCENNTINECTESSCFNGGTCVVGINSFSCILCPVGTGSCFLHEINECSSHPCINEGTCVDGLGYRCSCPLGYT
 GKNQCTLVNLCSSRPCRNKGTVCQKKAESQCLCPSGWAGAYCDVPNVSCDIAASRRGVIVHLCQHSVCINAGNTHYCCQPLGYTGSYCEEQIDDE
 CASNPCQHATCSDFIGGYRCECVPGYQGVNCEYEVDECONPCQNGGTCIDLVNHFKSCPPGTRGLICEENIDDCARGPHCLINGGQCCMDRIGSY
 SCRCLPGFACERCEGDINECLSNPCSEGSIDCIQLTNDYLCVCRSAFTGRHCTFVDVCPOMPCLNGGTCVAVASNMPDGFICRCPPGFSGARQCS
 SCGVYCKRKGECQVHTASGPRCFPSPRDCESGCASSPCQHGSSCHPQRPYISQCAPPFSGSRCELYTAPPSTPPATCLSQYCADKARDGVCD
 EACNSHACQMDGGDCSLTMENFWANCSSPLFCWDYINNQCDELNCTVECLFNFECCGNSKTCYDKYCADHFNHNCNQCNSSECCGMDGLDCAA
 DOPENLAEGTLVTVVAMPPEQLLODARSFIRALGTLHTNLRIKRDQSQELMAYVYPYIGEKSAAKKQRTSRSLPCEQOE VAGSKVFELEIDNRQC
 VQSDHCFKNTDAAALASHAIQGTLSYFLVSVVSESLTFERTQLLYLLAVAVIILFIILGVIMAKRKRHGSIMLWLPFGFTLRDASNHKRE
 PVQDAVGLKNLSVQVSEANLIGTCTSEHWVDEGQPKKKAEDALLSEDDPIDRRPWTQOHLAADIRRTPSIALTFPQAEQEVVDVLDVNR
 GPDGCTPLMLASLRGSSDLSEDEDAEDSSANIITDLVYQASLOAQDRTGEMALHLAARYBRADAKRLIDAGADANAQDNMGRCTPLHAAVAA
 DAQGVFQILIRNRVTDIDARNDGTFPLIILAAVLAVEGVAELINQADVNAVDDHGKSALHWAANVNEATLILKNGANRMDQDNKEETPLFL
 AAREGSYEAAKIILDHFNARDITDHMDRLPRDVARDRMHDIVRLIDEYNTVSPPGTTLTSALSPVICGPNRSFSLSKHTPMGKSRPSPAKSTM
 PTLSPNLAKEADKAGSRKKSLSEKVQLSSESVTLSPVDSLESPHTVSDTTSSEMITSPGILQASPNEMLATAAPPAPVHAQHALSFSNLHEMQ
 FLAHGASTVLPVSVQLLSHHHIVSPGSGSAGSLSLHLPVFPVADWNRMEVNETQYNEMFCMLAPAECTHPGIPQSRPPEGKHTTTPREPLPI
 VTFQILPKGSLAQAPAGAPQOSTCPCPAPVAGPLPTMQIPEMARLPSVAFPTAMPQDQQAQVQTLIPAYHFFPASVGYKPTPSPSHSASNAER
 TPSHSGHLQGEHPVLTTPSESPDQWSSSSPHSASDWSDVTTSTPTGAGGCGORGPGCTHMEPPHNNMQVIA

Figure 36

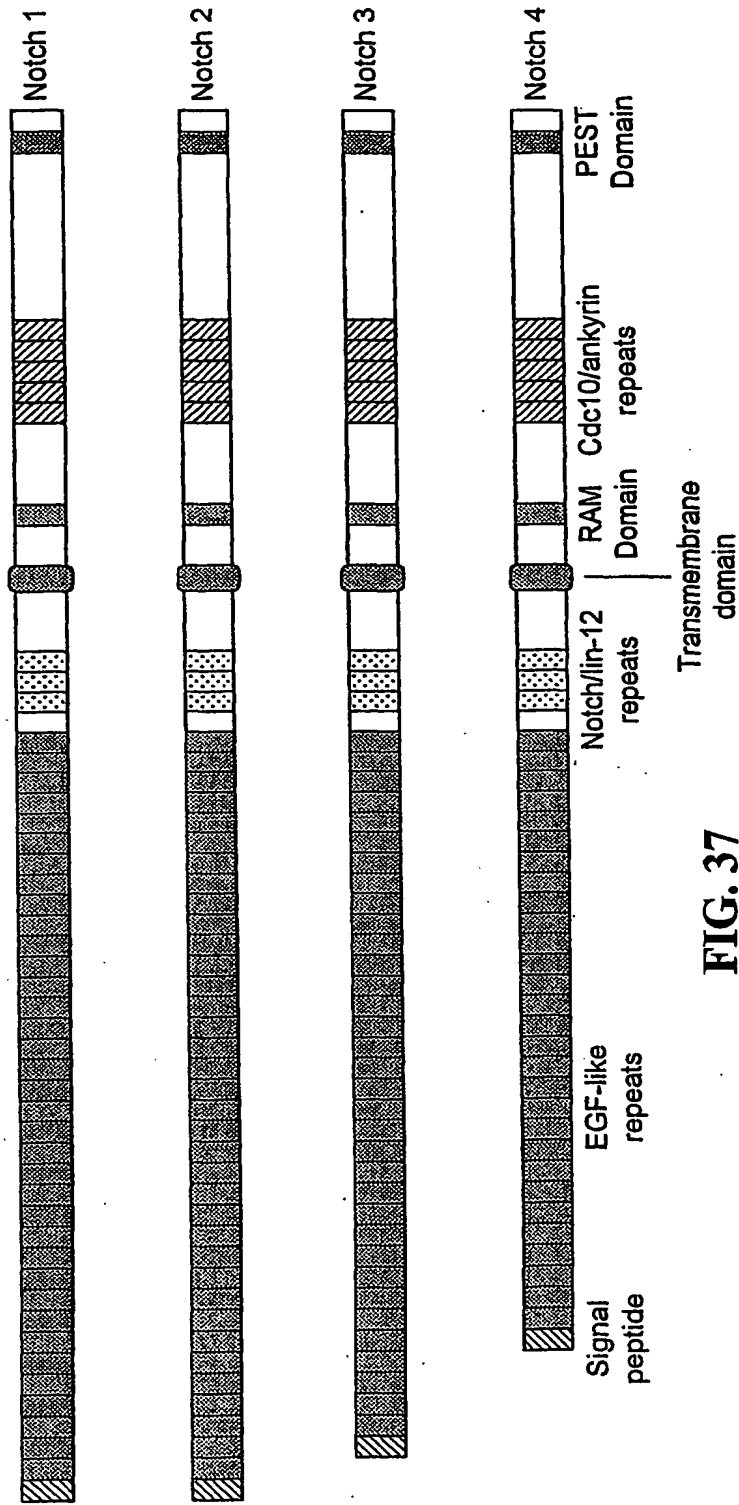
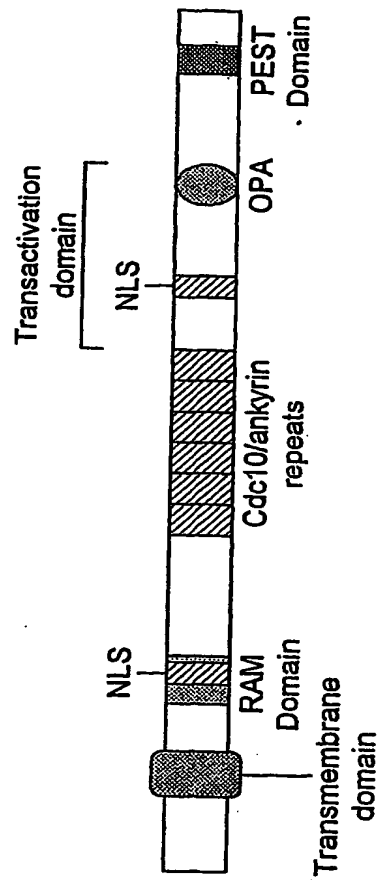


FIG. 37

**FIG. 38**